

# Mouse Periostin/OSF-2 Protein

Cat. No. OSF-MM102

## Description

<b>Source</b>	Recombinant Mouse Periostin/OSF-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asn24-Gln811.
<b>Accession</b>	Q62009-1
<b>Molecular Weight</b>	The protein has a predicted MW of 88.7 kDa. Due to glycosylation, the protein migrates to 90-95 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

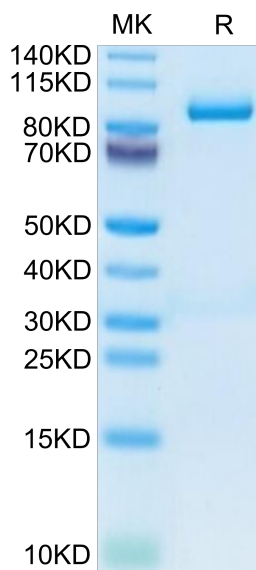
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Periostin is a matricellular protein that is expressed in several tissues during embryonic development; however, its expression in adults is mostly restricted to collagen-rich connective tissues. Periostin is expressed only briefly during kidney development, but it is not normally detected in the adult kidney. Recent evidence has revealed that periostin is aberrantly expressed in several forms of chronic kidney disease (CKD), and that its expression correlates with the degree of interstitial fibrosis and the decline in renal function.

## Assay Data

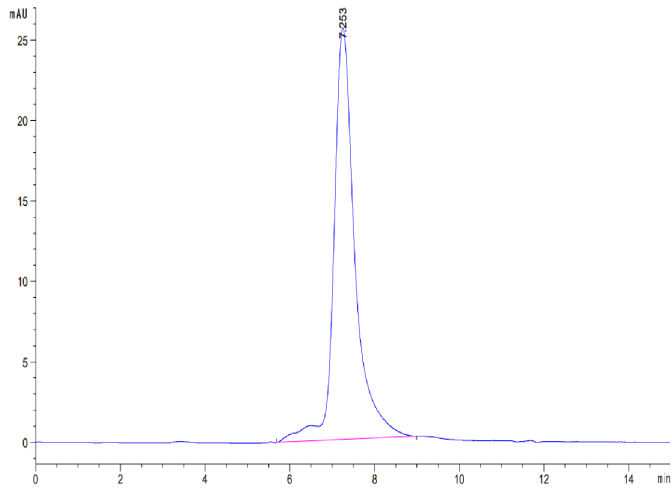
### Bis-Tris PAGE



Mouse Periostin on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Mouse Periostin is greater than 95% as determined by SEC-HPLC.